

ABSTRACT

In a foil bearing (23) having a plurality of foils (26) disposed in a gap between a rotating member (12) and a stationary mount member (25), a moveable member (27) is disposed on a side of the stationary member opposite to the rotating member so as to be rotatable with respect to the stationary mount member, abutting members (30) extend from the moveable member toward the associated foils through respective through-holes formed in the stationary mount member, and a surface of the moveable member with which one end of each abutting member is in contact is provided with a cam surface. In such a structure, by rotating the moveable member and thus changing the length of the abutting members projecting out from the surface of the stationary mount member, it is possible to vary the range of movement of the foils and practically vary the stiffness of the same.